





Hummingbirds, robins, eagles, gliders, jets, helicopters and airplanes. What do all of these have in common? In this activity you will discover how birds and airplanes are alike.

Blast Off!

- **1.** Color the birds and the airplanes on pages 3 and 4.
- **2.** Cut out the fourteen picture boxes.
- **3.** Arrange the boxes in order with the birds facing up.
- **4.** Staple the boxes together on the top left corner. **Helper note:** Be sure edges are trimmed evenly.
- **5.** Flip through the pictures and watch the bird take off, fly and land.
- **6.** Turn your booklet over, flip through the airplane pictures and watch an airplane take off, fly and land.
- **7.** Then draw and color a picture of your favorite airplane and bird.



Material taken from *Aerospace Adventures: Pre-Flight Stage 1* (BU-06842) by the National 4-H Council, page 6. What to Do: Aerospace Skills: Science Skills: Materials: Compare birds and airplanes. Comparing birds to airplanes Inferring Bird and airplane pictures, crayons, Scissors, stapler and staples



Arkansas Department of Health & Human Services Division of Child Care and Early Childhood Education

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Debriefing

Ground to Ground (Share)

- What did you see when you flipped through the cards?
- Share with your helper how the bird took off, flew and landed compared to the airplane.

Climb Out (Process)

• How do the feet, tail, wing and light weight body of a bird compare to the parts of an airplane?

Level Off (Generalize)

• How can comparing two things help you learn about them?

Cross Country (Apply)

- How can comparing things help you do something else in your life, like:
 - a. Decide which bike to buy?
 - b. Choose a meal at a restaurant?
 - c. Decide if you would rather have a dog or a cat for a pet?





- Pilots must have licenses to fly, just like drivers have licenses to drive. When people pass the tests to get their pilot's licenses, we say they have earned their "wings."
- A special department of government called the Federal Aviation Administration sets the rules for pilots. It also works hard to make sure flying is safe for everyone.

Aviary: A place where birds are kept.



- Visit an aviary, zoo or your back yard feeder and watch how different birds take off, fly and land.
- Take a discovery airplane flight through the Young Eagle's Program.





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